

We Claim:

1. A rebar support chair comprising:
 - a) a table having diametrically opposed ears extending upwardly therefrom, said ears being adapted to engage a rebar therebetween;
 - b) legs fixed to and extending downwardly from the table at generally equally annularly spaced locations therearound, each said leg:
 - i) being of a generally T-shaped cross-section with an arcuate outer surface portion and an inwardly extending reinforcing web portion;
 - ii) diverging outwardly from the table so that the outer surface portion thereof defines a segment of a cone;
 - iii) terminating at a distal end formed on the web portion to the inside of the outer surface portion;
 - c) a foot on the distal end of each leg.
2. A support chair according to Claim 1 wherein:
 - a) the table is generally circular; and,
 - b) the ears are located so as to be between the annularly spaced locations from which the legs extend.
3. A support chair according to Claim 1 wherein the foot includes traction means in the form of an irregular surface formed on the inwardly extending web portion at the distal end of the leg.

4. A support chair according to Claim 3 wherein the irregular surface is defined by serrations extending transversely of the web portion

5. A support chair according to Claim 1 wherein the outer surface portion of each leg converges adjacent the distal end of the leg to provide space proximal to the distal end into which fluid concrete formed around the leg may flow.

6. A support chair according to Claim 1 wherein the chair is of a unitary construction and formed of a polymeric material, and further comprises a ring integrally formed with and extending between the legs in spaced relationship to the table.

7. A support chair according to Claim 6 wherein the ring has arcuate outer surface portions contiguous with the arcuate outer surface portions of the legs to define therewith a smooth conical surface extending around the chair.

8. A support chair according to Claim 6, wherein:
a) the ring has an upper edge disposed in spaced relationship to the table and a lower edge disposed in spaced relationship to the distal ends of the legs; and,
b) the ring is tapered to reduce in cross-section from the lower edge to the upper edge.

9. A support chair according to Claim 6, wherein:
a) the ring has an upper edge disposed in spaced relationship to the table and a lower edge disposed

in spaced relationship the distal ends of the legs;
and,

- b) the lower edge is arched between each adjacent pair of legs to provide an increased area of merger between the ring and the legs.

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10. A support chair according to Claim 1 wherein:

- a) the chair is of a unitary construction and formed of a polymeric material; and,
b) the web portion is tapered to reduce in depth toward the distal end of the leg.

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11. A support chair according to Claim 1 wherein:

- a) the chair is of a unitary construction and formed of a polymeric material; and,
b) the web portions of the respective legs are integrally formed with and join beneath the table.

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12. A support chair according to Claim 1 wherein:

- a) the chair is of a unitary construction and formed of a polymeric material;
b) the legs are disposed in pairs on diametrically opposite sides of the table; and,
c) the web portions of the paired diametrically opposed legs extend inwardly to provide an arch beneath and integrally formed with the table.

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13. A support chair according to Claim 1 wherein the chair is of a unitary construction and formed of a polymeric material, and further comprises:

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- a) a flexible strap integrally formed as part as a part of the chair, said strap having an proximal portion secured to the chair, an intermediate portion disposed for select extension over the table, and a free distal portion; and,
 - b) means to selectively secure the distal portion to the chair with the intermediate portion extending over the table.

10 14. A support chair according to Claim 13 wherein the means comprises interengageable mating elements on the chair and strap.

15 15. A support chair according to Claim 14 wherein said interengageable mating elements comprise a protrusion formed on the chair and an opening formed in the strap for engagement over the protrusion.

20 16. A support chair according to Claim 13 wherein:

- a) the proximal portion is secured to the chair so that the strap is extendable over the table in alignment with the ears; and,
- b) the means to secure the strap is disposed to hold the strap in such alignment.

25 17. A support chair according to Claim 1 wherein:

- a) the leg is of an elongate configuration extending from the table to the distal end; and,
- b) the inwardly extending web tapers from either end of the leg to a portion of increased depth intermediate the ends of the leg.

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18. A support chair according to Claim 1 further comprising a bearing member for securement to the distal ends of the legs to support the legs on soft soil and against uneven penetration into the soil, said member comprising:

- 5 a) a plate having a planar top surface;
 b) slots formed in and extending through said plate, said slots being aligned with and receiving the distal ends of the legs and having opposed side surfaces in snug engagement with opposite side surfaces of
10 the distal ends.

19. A support chair according to Claim 1 wherein:

- a) the table has a generally horizontal top surface;
 and,
15 b) the legs diverge outwardly from the table at an angle of from ninety four to one hundred and eleven degrees from the top surface.

20. A support chair, according to Claim 1, wherein:

- 20 a) the table is unitary and comprises intersecting elements defining a cross-shaped configuration, as viewed in plan; and,
 b) the legs are integrally formed with and extend downwardly from oppositely disposed ends of the
25 elements.

21. A support chair according to Claim 20 wherein the ears are integrally formed with and extend upwardly from the oppositely disposed ends of one of the elements.

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22. A support chair according to Claim 20, wherein:

- a) the chair is of a unitary construction and formed of a polymeric material; and
- b) the web portions for the legs are integrally formed with and join beneath the elements.

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23. A support chair according to Claim 22 further comprising reinforcing webs extending between the web portions, said webs being integrally formed with and disposed beneath said elements.

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24. A rebar support chair comprising:

- a) a cradle for supporting engagement with a rebar;
- b) legs fixed relative to and extending downwardly from the cradle at annularly spaced locations, each said leg:
 - i) being of a generally T-shaped cross-section with an arcuate outer surface portion and an inwardly extending reinforcing web portion;
 - ii) diverging outwardly from the cradle so that the outer surface portion thereof defines a segment of a cone;
 - iii) terminating at a distal end formed on the web portion to the inside of the outer surface portion;
- c) a foot on the distal end of each leg.

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25. A support chair according to Claim 24 wherein the foot includes traction means in the form of an irregular surface formed on the inwardly extending web portion at the distal end of the leg.

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26. A support chair according to Claim 25 wherein the irregular surface is defined by serrations extending transversely of the web portion

27. A support chair according to Claim 24 wherein the outer surface portion of each leg converges adjacent the distal end of the leg to provide space proximal to the distal end into which fluid concrete
5 formed around the leg may flow.

28. A support chair according to Claim 24 wherein the chair is of a unitary construction and formed of a polymeric material, and further comprises a ring integrally formed with and extending between the legs
10 in spaced relationship to the cradle.

29. A support chair according to Claim 28 wherein the ring has arcuate outer surface portions contiguous with the arcuate outer surface portions of the legs to define therewith a smooth conical surface
15 extending around the chair.

30. A support chair according to Claim 28, wherein:
a) the ring has an upper edge disposed in spaced relationship to the cradle and a lower edge disposed
20 in spaced relationship to the distal ends of the legs;
and,
b) the ring is tapered to reduce in cross-section from the lower edge to the upper edge.

25 31. A support chair according to Claim 28, wherein:
a) the ring has an upper edge disposed in spaced relationship to the cradle and a lower edge disposed in spaced relationship to the distal ends of the legs;
and,

- b) the lower edge is arched between each adjacent pair of legs to provide an increased area of merger between the ring and the legs.

5 32. A support chair according to Claim 24 wherein:

- a) the chair is of a unitary construction and formed of a polymeric material; and,
- b) the web portion is tapered to reduce in depth toward the distal end of the leg.

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33. A support chair according to Claim 24 wherein the chair is of a unitary construction and formed of a polymeric material, and further comprises:

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- a) a flexible strap integrally formed as part of the chair, said strap having a proximal portion secured to the chair, an intermediate portion disposed for select extension over the cradle, and a free distal portion; and,
- b) means to selectively secure the distal portion to the chair with the intermediate portion extending over the cradle.

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34. A support chair according to Claim 33 wherein the means comprises interengageable mating elements on the chair and strap.

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35. A support chair according to Claim 34 wherein said interengageable mating elements comprise a protrusion formed on the chair and an opening formed in the strap for engagement over the protrusion.

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36. A support chair according to Claim 24 wherein:

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- a) the leg is of an elongate configuration extending from the table to the distal end; and,
 - b) the inwardly extending web tapers from either end of the leg to a portion of increased depth intermediate the ends of the leg.

37. A support chair according to Claim 24 further comprising a bearing member for securement to the distal ends of the legs to support the legs on soft soil and against uneven penetration into the soil, said member comprising:

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- a) a plate having a planar top surface;
 - b) slots formed in and extending through said plate, said slots being aligned with and receiving the distal ends of the legs and having opposed side surfaces in snug engagement with opposite side surfaces of the distal ends.
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38. A support chair according to Claim 24 wherein:

- a) the cradle has a generally horizontal top surface for supporting engagement with a rebar; and,
- b) the legs diverge outwardly from the cradle at an angle of from ninety four to one hundred and eleven degrees from the top surface.

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25 39. A bearing member for supporting a concrete rebar chair having spaced generally radially extending feet, said member comprising:

- a) a polymeric plate having a planar top surface; and,
 - b) slots formed through the plate and opening through the top surface thereof, said slots:
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- i) extending radially of the plate for alignment with the feet of the chair; and,
- ii) being of a width proportioned for snug engagement with opposite side surfaces of the feet.

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40. A bearing member according to Claim 39 wherein said slots are elongate and of a length exceeding that of the feet of the a chair supported thereon, whereby the slots may receive the feet spaced at varying radial dimensions.

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